ſ						
	L Numb r	Hits	S arch Text	DB	Time stamp	
ŀ	1	269	(inv ic or bill or stat ment) near10	USPAT;	2002/11/26	İ
- 1	·		signature	US-PGPUB;	10:07	
- 1			0.9	EPO; JP ;		م_ ا
				DERWENT	Conside	1
	2	7	(seller or vendor or merchant or supplier)	USPAT;	2002/11/26	
	•	•	near10 ((invoice or bill or statement)	US-PGPUB;	10:11	
			near10 signature)	EPO; JPO;	10111	
			near to signature)	-DERWENT		ľ
			(handadunnaing name hilling) di	USPAT;	2002/11/21	
	•	. 0	(bootstrapping same billing).ti.	US-PGPUB;		١.
				1	13:07 Cons	14
				EPO; JPO;		
İ			The same and the s	DERWENT	2002/11/21	`
	-	32	asokan.in.	USPAT;	16:08	
				US-PGPUB;	10:00	ر ا
j			The second of th	EPO; JPO;		
				DERWENT	0000144104	
	-	194	705/67.ccls.	USPAT;	2002/11/21	
				US-PGPUB;	13:25]
				EPO; JPO;		
				_DERWENT]
	-	2299	((mobile or cellular or cell or satellite)	USPAT;	2002/11/21	
			near2 (station or device or phone)) same	US-PGPUB;	14:06	
			(gateway or ISP or "internet service	EPO; JPO;		
	1		provider")	DERWENT		
	-	8644	(compare or comparing or verify or verifying	USPAT;	2002/11/21	
ļ	ļ		or certify or certifying or confirm or	US-PGPUB;	16:08 Consu	1
	1		confirming or check or checking) near4	EPO; JPO;	Consu	ble
			variables	DERWENT		-
		2_	(((mobile or cellular or cell or satellite)	USPAT;	2002/11/21	`
			near2 (station or device or phone)) same	US-PGPUB;	13:37	
			(gateway or ISP or "internet service	EPO; JPO;		
			provider")) same ((compare or comparing or	DERWENT		
			verify or verifying or certify or certifying or			レ
		•	confirm or confirming or check or checking)			1
_			near4 variables)			
		21369		USPAT;	2002/11/21	
		-	or transport or transporting or deliver or	US-PGPUB;	16:09	
			delivering) near3 (identification or ID)	EPO; JPO;	16:09 Conside	1e
				DERWENT		
	•	192	(((mobile or cellular or cell or satellite)	USPAT;	2002/11/21	
1			near2 (station or device or phone)) same	US PGPUB;	13:44	
			(gateway or ISP or "internet service	EPO; JPO;		
			provider")) same (id or identification)	DERWENT		
		234	1.	USPAT;	2002/11/21	
	•	234	near2 (station or device or phone)) same	US-PGPUB;	13:51	
			(gat way r ISP or "internet service	EPO; JPO;		\prod
			' '	DERWENT		\parallel
			provid r")) and ((transmit r transmitting or			\parallel
			send reending or transport retransporting			1/
	1		r deliver r deliv ring) n ar3	1	I	ľ

•	26	(((mobile or cellular or ell or satellite)	USPAT;	2002/11/21
		n ar2 (station rd vice or ph ne)) same	US-PGPUB;	13:51
		(gateway r ISP or "int m t service	EPO; JPO;	
		pr vid r")) sam ((transmit or transmitting	DERWENT	
	1	rs nd rsending or transport r		
		transporting or deliv r r deliv ring) near3		
		(identification or ID))		
-	51	(((mobile or cellular or cell or satellite)	USPAT;	2002/11/21
		near2 (station or device or phone)) same	US-PGPUB;	14:07
		(gateway or ISP or "internet service	EPO; JPO;	
		provider")) and "digital certificate"	DERWENT	
•	29	((((mobile or cellular or cell or satellite)	USPAT;	2002/11/21
		near2 (station or device or phone)) same	US-PGPUB;	14:16
		(gateway or ISP or "internet service	EPO; JPO;	
		provider")) and "digital certificate") and	DERWENT	
		"digital signature"		
	5226	(calculate or calcualting or compute or	USPAT;	2002/11/21
		computing) near3 variable	US-PGPUB;	14:19
		50	EPO; JPO;	
			DERWENT	
	1098	(transmit or transmitting or send or sending	USPAT;	2002/11/25
		or transport or transporting or deliver or	US-PGPUB;	10:13
		delivering or deliver or delivering) near4	EPO; JPO;	Carrie
		certificate	-DERWENT-	10:13 COASIG
•	- 66	(verify or verifying or certify or certifying or	USPAT;	2002/11/21
		confirm or confirming or check or checking	US-PGPUB;	16:24
•		or authorize or authorizing) near	EPO; JPO;	
		(identification or ID) and ((compare or	DERWENT	
		comparing or verify or verifying or certify or		
		certifying or confirm or confirming or check		1
		or checking) near4 variables)		
	6	((verify or verifying or certify or certifying	USPAT;	2002/11/21
		or confirm or confirming or check or	US-PGPUB;	16:22
		checking or authorize or authorizing) near	EPO; JPO;	
		(identification or ID) and ((compare or	DERWENT	
		comparing or verify or verifying or certify or		
	1	certifying or confirm or confirming or check	1	
		or checking) near4 variables)) and	1	:
		certificate	1	
•	5	(((verify or verifying or certify or certifying	USPAT;	2002/11/21
		or confirm or confirming or check or	US-PGPUB;	16:22
		checking or authorize or authorizing) near	EPO; JPO;	
	1	(identification or ID) and ((compare or	DERWENT	1
		comparing or verify or verifying or certify or		1
		certifying or confirm or confirming or check		
ı		or checking) near4 variables)) and		
	İ	certificate) and signature		
		verticate/ and oldingsio	l	
_	276	(v rify r verifying or certify r certifying or	USPAT:	2002/11/21
-	276	(v rify r verifying or certify r certifying or	USPAT; US-PGPUB:	2002/11/21 16:24
-	276	(v rify r verifying or certify r certifying or confirm r confirming or heck or che king or auth rize r authorizing) near	USPAT; US-PGPUB; EPO; JPO;	

	-	165	((verify or verifying or c rtify or ertifying	USPAT;	2002/11/21
			r onfirm or c nfirming r h ck r	US-PGPUB;	16:24
			h cking or authorize r authorizing) near	EPO; JPO;	İ
			(identification r ID) and rtificate) and	DERWENT	
'			signature		
	_	1	"authenticati n infrastru tur ".ti.	USPAT;	2002/11/21
	-	-		US-PGPUB;	16:25
			·	EPO; JPO;	10.20
	`			DERWENT	<u> </u>
		43	(authoration come informature) 4i	USPAT;	2002/11/21
	•	13.	(authentication same infrastructure).ti.	1	I I
				US-PGPUB;	16:30
	_			EPO; JPO;	
				DERWENT	
	-	2	5467398.pn.	USPAT;	2002/11/21
			·	US-PGPUB;	16:30
				EPO; JPO;	(
	_			DERWENT	/
	- '	12967	nokia.as.	USPAT;	2002/11/25
				US-PGPUB;	09:32
				EPO; JPO;	Considera
				_DERWENT	COA 12100
			stenberg.in. and nokia.as.	USPAT;	2002/11/25
				US-PGPUB;	09:32
				EPO; JPO;	
				1 '	l /
				DERWENT	2002/44/25
	•	21	nokia.as. and ((mobile same	USPAT;	2002/11/25
			authentication).ti.)	US-PGPUB;	09:32
-	***			EPO; JPO;	
				DERWENT	
	-	343	(mobile same authentication).ti.	USPAT;	2002/11/25 .
				US-PGPUB;	09:54
				EPO; JPO;	09:54 Conside
			and the second s	DERWENT	
	-	12	((mobile same authentication).ti.) and	USPAT;	2002/11/25
			certificate	US-PGPUB;	09:33
]			EPO; JPO;	
				DERWENT	
	-	2	(((mobile same authentication).ti.) and	USPAT;	2002/11/25
		_	certificate) and signature	US-PGPUB;	09:33
				EPO; JPO;	
				DERWENT	
		40	6400464 mm ou F004407 mm ou FE00644		2002/11/25
		40	6199161.pn. or 5991407.pn. or 5596641.pn.	USPAT;	
			or 5559886.pn. or 2337668.pn. or	US-PGPUB;	09:46
			955783.pn. or 9949608.pn. or 930795.pn. or	EPO; JPO;	
			873032.pn. or 9715161.pn. or 20018165.pn.	DERWENT	
			or 20002406.pn. or 883318.pn. or		
			9949688.pn.		
	•	1	20018165.pn. or 20002406.pn.	USPAT;	2002/11/25
			<u> </u>	US-PGPUB;	09:46
	1			EPO; JPO;	
	1			, ,	i l

	•	16	(US-5467398-\$ r US-6199161-\$ or	USPAT;	2002/11/25
			US-5559886-\$ r US-5991407-\$ r	EPO;	09:54
			US-5596641-\$).did. r (WO-9949688-\$).did.	DERWENT	
			or (US-6199161-\$ or EP-955783-\$ r		
•			EP-883318-\$ r GB-2337668-\$ or		
			EP-873032-\$ or EP-930795-\$ r		
			WO-9949688-\$ or US-5991407-\$ or		,
			• • • • • • • • • • • • • • • • • • • •		
	-		_WO-200002406-\$ or WO-200018165-\$).did.		0000/44/25
	-	0	((US-5467398-\$ or US-6199161-\$ or	USPAT;	2002/11/25
]]		US-5559886-\$ or US-5991407-\$ or	US-PGPUB;	09:55
			US-5596641-\$).did. or (WO-9949688-\$).did.	EPO; JPO;	
	1		or (US-6199161-\$ or EP-955783-\$ or	DERWENT	
			EP-883318-\$ or GB-2337668-\$ or	1	,
			EP-873032-\$ or EP-930795-\$ or		
			WO-9949688-\$ or US-5991407-\$ or		
			WO-200002406-\$ or WO-200018165-\$).did.)	}	
			and certificate	1	
		0	and certificate ((US-5467398-\$ or US-6199161-\$ or	USPAT;	2002/11/25
	-	U	•••	US-PGPUB;	09:55
			US-5559886-\$ or US-5991407-\$ or	1	43:33
	1		US-5596641-\$).did. or (WO-9949688-\$).did.	EPO; JPO;	
			or (US-6199161-\$ or EP-955783-\$ or	DERWENT	
	1		EP-883318-\$ or GB-2337668-\$ or	1	
			EP-873032-\$ or EP-930795-\$ or	1	
			WO-9949688-\$ or US-5991407-\$ or		
	1		WO-200002406-\$ or WO-200018165-\$).did.)	1	considere
			and signature		COUSTAGE
		10	("4268715" "4876716" "5077790"	USPAT	2002/11/25
	-	10	"5196840" "5227613" "5249230"		09:57
			I		30101
			"5301247" "5341427" "5392356"		
			"5410602").PN.		0000/44/05
	-	0	(("4268715" "4876716" "5077790"	USPAT;	-2002/11/25
			"5196840" "5227613" "5249230"	US-PGPUB;	09:58
			"5301247" "5341427" "5392356"	EPO; JPO;	consider
			"5410602").PN.) and certificate	_DERWENT	CONSIDE
	-	3-	-(("4268715" "4876716" "5077790"	USPAT;	2002/11/25
		-	"5196840" "5227613" "5249230"	US-PGPUB;	09:58
			"5301247" "5341427" "5392356"	EPO; JPO;	
			"5410602").PN.) and signature	DERWENT	
		40		USPAT	2002/11/25
	-	18	5467398.URPN.	USPAI	1
					10:01
	-	8	5467398.URPN. and certificate	USPAT;	2002/11/25
				US-PGPUB;	10:02
				EPO; JPO;	İ
	1			DERWENT	
	1.	8	(5467398.URPN. and certificate) and	USPAT;	2002/11/25
	1	•	signature	US-PGPUB;	10:13
	1			EPO; JPO;	
	-	·		1	
	.			DERWENT	2222/44/22
	-	1105	(transmit or transmitting r send or sending	USPAT;	2002/11/25
			1 4 4 4 40	US-PGPUB;	15:54
			or transport or transporting or deliver r	1	10.04
			d liv ring r deliver r delivering) near4	EPO; JPO;	

	-	2536	(transmit r transmitting or s nd or sending	USPAT;	2002/11/25
	· [or transport r transporting r d liv r or	US-PGPUB;	15:56
			deliv ring r deliver r d livering) near4	EPO; JPO;	Considere
			_signature	-DERWENT	1
	-	239	((transmit r transmitting r send or	USPAT;	2002/11/25
			sending r transport or transporting r	US-P PUB;	10:18
			deliver or delivering or deliver or delivering)	EPO; JPO;	
•	İ		near4 certificate) and ((transmit or	DERWENT	
			transmitting or send or sending or transport		\
			or transporting or deliver or delivering or		\
	1		deliver or delivering) near4 signature)		l
	1.	4	0213568.pn. or 651533.pn.	USPAT;	2002/11/25
		_	0210003.p.m of 001003. p. m	US-PGPUB;	10:25
				EPO; JPO;	1
	1			DERWENT	
			200242500	USPAT:	2002/11/25
	•	1	200213568.pn.	US-PGPUB;	10:27
				EPO; JPO;	''
			·		
				DERWENT	2002/44/25
	-	7	1005244.pn.	USPAT;	2002/11/25
				US-PGPUB;	10:28
				EPO; JPO;	
				DERWENT	
	-	3	651533.pn.	USPAT;	2002/11/25
				US-PGPUB;	10:28
				EPO; JPO;	
				DERWENT	
	-	3447	((sign or signed or signature) near4	USPAT;	2002/11/25
			(response or answer or reply))	US-PGPUB;	12:04
				EPO; JPO;	Considered
			·	DERWENT	Covarion
		88	("random number" or RAND) same (((sign or	USPAT;	2002/11/25
			signed or signature) near4 (response or	US-PGPUB;	13:12
			answer or reply)))	EPO; JPO;	
				DERWENT	
	_	19210	MAC or "message authentication code"	USPAT;	2002/11/25
				US-PGPUB;	44.42
				EPO; JPO;	ansiderac
				DERWENT	Constact
_		65	(("random number" or RAND) same (((sign	USPAT;	2002/11/25
	-	03	or signed or signature) near4 (response or	US-PGPUB;	12:05
			answer or reply)))) same key	EPO; JPO;	/
			anomei oi iehijiii) same key	DERWENT	
-^		4400	(MAC or "message authentication code")	USPAT:	2002/11/25
	-	1108	, ,	US-PGPUB;	45.24
			same key	,	
			and the second of the second o	EPO; JPO;	Considere
	_			DERWENT	
	-	102	((MAC r"message auth nticati n de")	USPAT;	2002/11/25
			sam k y) same (RAND r "random	US-P PUB;	13:21
			number")	EPO; JPO;	/
	1 1			DERWENT	ı //

Consideral

, E-2 E	•	3	((("random numb r" or RAND) same (((sign	USPAT;	2002/11/25
			r signed r signature) near4 (resp ns or	US-PGPUB;	13:34
			answer or reply)))) sam key) and (((MAC or	EPO; JPO;	
			"message auth nti ation code") same key)	DERWENT	
			same (RAND or "rand m numb r"))		
	-	3785	(hash or hashing) sam k y	-USPAT;	2002/11/25
				US-PGPUB;	13:21
				EPO; JPO;	
				DERWENT	
	•	361	((hash or hashing) same key) same (RAND	USPAT;	2002/11/25
			or "random number")	US-PGPUB;	13:21
			,	EPO; JPO;	
				DERWENT	Considerar
	.	11	((("random number" or RAND) same (((sign	USPAT;	2002/11/25
		••	or signed or signature) near4 (response or	US-PGPUB;	13:34
			answer or reply)))) same key) and (((hash or	EPO; JPO;	
			hashing) same key) same (RAND or	DERWENT	
			"random number"))		
		4	triplet and (((MAC or "message	USPAT;	2002/11/25
		•	authentication code") same key) same	US-PGPUB;	13:34
			(RAND or "random number"))	EPO; JPO;	,
				DERWENT	
]	10	triplet and (((hash as backing) same kay)	USPAT:	2002/11/25
`.	•	10	triplet and (((hash or hashing) same key)	,	į.
١.			same (RAND or "random number"))	US-PGPUB;	13:36
	The state of the s	· Winds of the state of the sta	- MORE AND AND AND AND AND AND AND AND AND AND	EPO; JPO;	
	1 1		Al Al Al Al Al Al Al Al Al Al Al Al Al A	DERWENT	-2002/11/25
	•	28112	MAC or "message authentication code" or	USPAT;	
			hash	US-PGPUB;	14:12
				EPO; JPO;	1
			/MAG The	DERWENT	2002/44/25
	•	4165	(MAC or "message authentication code" or	USPAT;	2002/11/25
			hash) same key	US-PGPUB;	14:11
				EPO; JPO;	
				DERWENT	
	•	485	((MAC or "message authentication code" or	USPAT;	2002/11/25
			hash) same key) same certificate	US-PGPUB;	14:12
				EPO; JPO;	
				DERWENT	
	-	1726	certificate near10 "public key"	USPAT;	2002/11/25
				US-PGPUB;	14:12
			_	EPO; JPO;	
			i i	DERWENT	,
	-	439	(((MAC or "message authentication code" or	USPAT;	2002/11/25
			hash) same key) same certificate) and	US-PGPUB;	14:19
			(certificate near10 "public key")	EPO; JPO;	
				DERWENT	
	-	1740	(verify or verifying or certify or certifying or	USPAT;	2002/11/25
			c nfirm or confirming or authorize or	US-PGPUB;	14:20
			authr izing rvalidate rvalidating) n ar10	EPO; JPO;	
			"publi k y"	DERWENT	

•	710	((verify or verifying or certify r certifying	USPAT;	2002/11/25
		or confirm or confirming or authorize or	US-PGPUB;	14:22
		authr izing or validat or validating) near10	EPO; JPO;	Considere
		"public key") near20 certificat	DERWENT	Constante
• 1.22	236	(((MAC r"m s age auth nti ation code" or	USPAT;	2002/11/25
		hash) same key) sam certificat) and	US-PGPUB;	14:30
		(((verify or verifying or certify or certifying	EPO; JPO;	
	ļ	or confirm or confirming or authorize or	DERWENT	
	1	authroizing or validate or validating) near10		
		"public key") near20 certificate)		
	1197	(compute or computing or calculate or	USPAT;	2002/11/25
		calcualting or create or creating or	US-PGPUB;	14:31
		generate or generating) near5 (certificate)	EPO; JPO;	14:31 Consid
and the second of the second of		A property of the second secon	DERWENT	
-	273	((compute or computing or calculate or	USPAT;	2002/11/25
		calcualting or create or creating or	US-PGPUB;	14:51
	l	generate or generating) near5 (certificate))	EPO; JPO;	
		and (((MAC or "message authentication	DERWENT	
	l	code" or hash) same key) same certificate)		
-	44	((MAC or "message authentication code")	USPAT;	2002/11/25
		same key) same certificate	US-PGPUB;	15:19
			EPO; JPO;	
			DERWENT	
<u> </u>	237	(MAC or "message authentication code")	USPAT;	2002/11/25
	20,	same ("secret key" or "integriety key" or	US-PGPUB;	15:33
		"private key")	EPO; JPO;	
		private key ;	DERWENT	
_	69	((MAC or "message authentication code")	USPAT;	2002/11/25
-	- 03	same ("secret key" or "integriety key" or	US-PGPUB;	15:33
		"private key")) same "public key"	EPO; JPO;	
		husare well aguse hanne wel	DERWENT	
	0	(((MAC or "message authentication code")	USPAT;	2002/11/25
-	~	same ("secret key" or "integriety key" or	US-PGPUB;	15:34
	}	"private key")) same "public key") same	EPO; JPO;	
		(((sign or signed or signature) near4	DERWENT	
	ł	(response or answer or reply)))		
	2057	(invoice or bill or statement) same (seller or	USPAT;	2002/11/25
	ZU3/	vendor or merchant or supplier)	US-PGPUB;	15:46
	- 1	vendor or increment or supplier)	EPO; JPO;	
	i		DERWENT	
	5946	(transmit or transmitting or send or sending	USPAT;	2002/11/25
	3 340	•	US-PGPUB;	15:54
		or transport or transporting or deliver or	EPO; JPO;	15.57
		delivering or deliver or delivering or receive	DERWENT	. '
		or receiving or obtain or obtaining) near4	DERMENI	
		(bill or statement or invoice)	L	

	•	77	((transmit or transmitting rs nd r	USPAT;	2002/11/25
	. [sending r transp rt r transporting or	US-P PUB;	15:48
			deliv r rd livering rdeliver rd liv ring)	EPO; JPO;	
•			near4 certificat) and ((transmit or	DERWENT	-
			transmitting or send or sending or transp rt		
			r transp rting or d liver r deliv ring r		
•	1		· · · · · · · · · · · · · · · · · · ·		
			deliver or delivering or receive or receiving		
	İ		or obtain or obtaining) near4 (bill or		
			statement or invoice))		
	-	62	((transmit or transmitting or send or	USPAT;	2002/11/25
			sending or transport or transporting or	US-PGPUB;	15:49
			deliver or delivering or deliver or delivering	EPO; JPO;	
			or receive or receiving or obtain or	DERWENT	
			obtaining) near4 (bill or statement or	,	
			<u> </u>		
		•	invoice)) same signature	USPAT;	2002/11/25
	-	9	(((transmit or transmitting or send or	1	
			sending or transport or transporting or	US-PGPUB;	15:49
]		deliver or delivering or deliver or delivering	EPO; JPO;	
			or receive or receiving or obtain or	DERWENT	
			obtaining) near4 (bill or statement or		
			invoice)) same signature) and ((transmit or		
			transmitting or send or sending or transport		
			or transporting or deliver or delivering or		
			_deliver_or_delivering) near4 certificate)		
		726	((bill or statement or invoice) same	USPAT;	2002/11/25
	•	120	, · · ·	US-PGPUB;	15:54
			signature)	1	13107
				EPO; JPO;	
		_		DERWENT	2002/44/25
	-	1850	(transmit or transmitting or send or sending	USPAT;	2002/11/25
			or transport or transporting or deliver or	US-PGPUB;	15:56
			delivering or deliver or delivering or receive	EPO; JPO;	, ,
			or receiving or obtain or obtaining) near4	DERWENT	Considere
			certificate		
	-	93	(((bill or statement or invoice) same	USPAT;	2002/11/25
			signature)) and ((transmit or transmitting or	US-PGPUB;	15:56
			send or sending or transport or transporting	EPO; JPO;	
			or deliver or delivering or deliver or	DERWENT	
\			delivering or receive or receiving or obtain		
\			1		
\			or obtaining) near4 certificate)	HEDAT:	2002/44/25
1	-	45	((transmit or transmitting or send or	USPAT;	2002/11/25
Ì	.		sending or transport or transporting or	US-PGPUB;	16:07
1	[deliver or delivering or deliver or delivering)	EPO; JPO;	
}			near4 signature) and ((((bill or statement or	DERWENT	
1			invoice) same signature)) and ((transmit or		
1			transmitting or send or sending or transport		
1	1 '		or transporting or deliver or delivering or	}	
- /			deliver or delivering or receive or receiving		
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Considered

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		and 705/\$	İ	